

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 February 2002 (14.02.2002)

PCT

(10) International Publication Number
WO 02/013528 A3

(51) International Patent Classification⁷: **H04N 7/16**

(21) International Application Number: PCT/US01/24930

(22) International Filing Date: 8 August 2001 (08.08.2001)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/223,856 8 August 2000 (08.08.2000) US
60/248,313 14 November 2000 (14.11.2000) US
60/258,937 29 December 2000 (29.12.2000) US
60/258,940 29 December 2000 (29.12.2000) US
Not furnished 8 August 2001 (08.08.2001) US
Not furnished 8 August 2001 (08.08.2001) US

Chris, E.; 410 Milan Drive, #116, San Jose, CA 95134 (US). **SUNNER, Gurminder**; 2664 Glen Hancock Court, San Jose, CA 95148 (US). **REGNIER, Alain**; 902 W. Remington Drive, #9B, Sunnyvale, CA 94087 (US). **MO-HAN, Sunil**; 18400 Overlook Road, #31, Los Gatos, CA 95030 (US).

(74) Agents: **LO, Sze-Hang** et al.; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (US).

(81) Designated States (*national*): JP, KR.

(84) Designated States (*regional*): European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR).

Published:
— with international search report

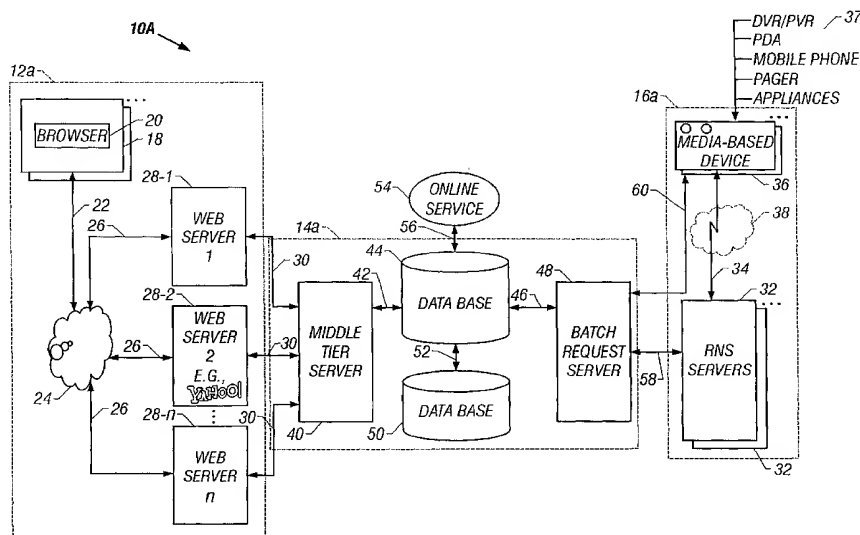
(71) Applicant: **REPLAYTV, INC.** [US/US]; 2841 Mission College Boulevard, Santa Clara, CA 95054 (US).

(88) Date of publication of the international search report:
8 August 2002

(72) Inventors: **SWEATT, Millard, E., III**; 542 Bay Road, Menlo Park, CA 94025 (US). **WOODWARD, Don**; 610 Nandell Lane, Los Altos, CA 94024 (US). **MATICHUK,**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR REMOTE TELEVISION REPLAY CONTROL



(57) Abstract: A method, system, computer medium, and other embodiments for integrating unrelated web hosted services with stand-alone media-based devices are provided. Users can access and control the media-based device conveniently with a web-browser through various portal on the Internet. An application program interface allows the various web servers and portals to take advantage of the system. In one embodiment, users access the media-based device through one or more unrelated web portals, so as to control and to program the media-based device in a single web session, and to see information both stored on the media-based device and originating from third-party online sources of information and services in a single integrated presentation.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/24930

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	J. MORRIS, J. TAYLOR: "Hits & Hype" ZDNET REVIEWS, 'Online! 7 August 2000 (2000-08-07), XP002197808 Retrieved from the Internet: <URL:http://www.zdnet.com> 'retrieved on 2002-04-29! the whole document	1-59
A	WO 98 10589 A (STARSIGHT TELECAST INC) 12 March 1998 (1998-03-12) abstract page 2, line 26 - line 31 page 17, line 1 -page 18, line 29 figure 13 --- -/--	1-59



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

3 May 2002

Date of mailing of the international search report

15/05/2002

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Fantini, F

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/24930

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 854 645 A (TEXAS INSTRUMENTS INC) 22 July 1998 (1998-07-22) column 3, line 33 -column 4, line 58 column 5, line 54 -column 6, line 26 column 8, line 47 - line 55 column 9, line 12 -column 10, line 10 column 21, line 27 - line 45 figure 1 -----	1-59
A	WO 97 13368 A (BRIEN SEAN ANDREW O ;MILNES KENNETH ALAN (US); SCHEIN STEVEN MICHA) 10 April 1997 (1997-04-10) abstract page 3, line 5 - line 11 page 4, line 37 -page 5, line 20 page 26, line 12 -page 27, line 11 -----	1-59

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/24930

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9810589	A	12-03-1998	AU 4175797 A WO 9810589 A1	26-03-1998 12-03-1998
EP 0854645	A	22-07-1998	EP 0854645 A2 JP 10207914 A SG 67469 A1 TW 435046 B US 6163316 A	22-07-1998 07-08-1998 21-09-1999 16-05-2001 19-12-2000
WO 9713368	A	10-04-1997	AU 7387196 A BR 9611064 A CA 2232003 A1 CN 1200221 A EP 0880856 A1 JP 10512420 T WO 9713368 A1 US 6263501 B1 US 6002394 A US 6323911 B1 US 6075575 A US 2002019981 A1	28-04-1997 13-07-1999 10-04-1997 25-11-1998 02-12-1998 24-11-1998 10-04-1997 17-07-2001 14-12-1999 27-11-2001 13-06-2000 14-02-2002